

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

02/16/11

Jennifer Gonzalez  
Assistant District Attorney, Bristol County

Dear ADA Jennifer Gonzalez

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
[REDACTED] lab number [REDACTED]. Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Lisa Glazer and Annie Dookhan.
3. Control Cards with analytical results for sample # [REDACTED]
4. Analysis sheets with chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for sample # [REDACTED]

GC/MS testing was performed by Annie Dookhan. All other analyses were performed by Lisa Glazer. If you have any questions about these materials, please call me at the number below.

Sincerely, 

Lisa Glazer  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6632

## Curriculum Vitae

Lisa A. Glazer

### Education

**Bachelor of Science Degree, CHEMISTRY January 2006**

UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

**Bachelor of Science Degree, FORENSIC SCIENCE January 2006**

UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus, Biology, Criminal Justice and Forensic Science courses

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### Employment

**Chemist I, II State Laboratory Institute (May 2007-Present)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2007.

**Laboratory Technician I (August 2006 – May 2007)**

University of Connecticut Chemistry Department - Storrs, CT

- Prepared unknowns, chemical reagents and supplies for undergraduate chemistry courses
- Set-up experiment demonstrations
- Properly disposed of hazardous waste from the experiments
- Made sure labs were being conducted safely
- Kept track of student laboratory paperwork, inventoried glassware and chemicals and helped clean glassware

**Intern (September 2005 – November 2005)**

CONNECTICUT STATE POLICE FORENSIC LABORATORY - Meriden, CT

- Worked on a Pyrolysis Gas Chromatography project
- Observed in the GSR testing, Forensic Biology, DNA, Questioned Documents, Black and White Photo, Latent Prints, Firearms, Trace Evidence and Color Photo Units

### Trainings

**Multijurisdictional Counterdrug Task Force Training (May 20, 2008)**

Current Drug Trends – Methuen, MA

**Multijurisdictional Counterdrug Task Force Training (May 6, 2009 - May 7, 2009)**

Courtroom Testimony – Methuen, MA

**DEA Forensic Chemist Seminar (June 21, 2010 - June 25, 2010)**

Sterling, VA

## Curriculum Vitae

**Annie Khan (Dookhan)**

### Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- \*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

- \*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

- \*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

- \*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

- \*Maintenance and repairs of all analytical instruments.

- \*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

- \*Responsible for the Quality Control/Quality Assurance program for the drug lab.

- \*Notary Public.

- \*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- \*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

- \*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

- \*Writing, revising and reviewing Standard Operating Procedures (SOPs).

- \*Trained and supervised new chemists and interns for the department.

- \*Routine QC testing of products for the FDA.

- \*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

- \*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

- \*Complete testing of chemicals for Vendor Validation Project for the FDA.

- \*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

### Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts*  
Executive Office of Health and Human Services  
Department of Public Health  
State Laboratory Institute

Boston Drug Laboratory  
Tel (617) 983-6622  
Fax (617) 983-6625

Amherst Drug Laboratory  
Tel (413) 545-2601  
Fax (413) 545-2608

Boston Hours

8:00 – 11:00

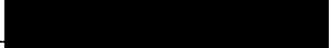
2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

**DRUG RECEIPT**

City or Department: North Attleboro Police Reference No.: 


Name and Rank of Submitting Officer: Det. Michael Elliott

Defendant(s) Name (last, first, initial):



*To be completed by Submitter*  
Description of Items Submitted

*To be completed by Lab Personnel*  
Gross Weight      Lab Number

12 Small P/B of white Powder		
	12.52 gm	

Received by:  Date: 1.11.10

No. [REDACTED]

Date Analyzed: 06-11-10

City: North Attleboro Police Dept.

Officer: Detective MICHAEL ELLIOTT

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 12 Cont: pb

Date Rec'd: 01/11/2010

No. Analyzed: 2  
Net Weight: 8.49g  
# Tests: 2  
LAB

Gross Wt.: 12.52 ✓

Prelim: Cocaine Findings: cocaine

# DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

No. Attleboro

ANALYST

AG

No. of samples tested:

(2)

Evidence Wt.

✓

## PHYSICAL DESCRIPTION:

signed & sealed  
12 pkts w/ white substance  
all similar in size

Gross Wt (12):

9.1962g

Gross Wt ( ):

Pkg. Wt:

Net Wt:

8.4936g

## PRELIMINARY TESTS

### Spot Tests

2 Cobalt Thiocyanate ( ) ⊕  
2 Marquis ⊖  
2 Froehde's ⊖  
1 Mecke's ⊖

### Microcrystalline Tests

2 Gold Chloride ⊕  
2 TLTA ( ) ⊕

### OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS

cocaine

DATE

6/4/10

## GC/MS CONFIRMATORY TEST

RESULTS

cocaine

MS OPERATOR

ASD

DATE

6/11/10

Sample #

# samples tested:

2

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	0.7523g	0.1114g	0.6409g	26			
2	0.8872g	0.1125g	0.7747g	27			
3				28			
4		Sum	1.4156g	29			
5		avg	0.7078g	30			
6				31			
7				32			
8				33			
9				34			
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			

Calculations:

$$\text{net wt: } 0.7078\text{g} \times 12 = 8.4936\text{g}$$

# Area Percent / Library Search Report

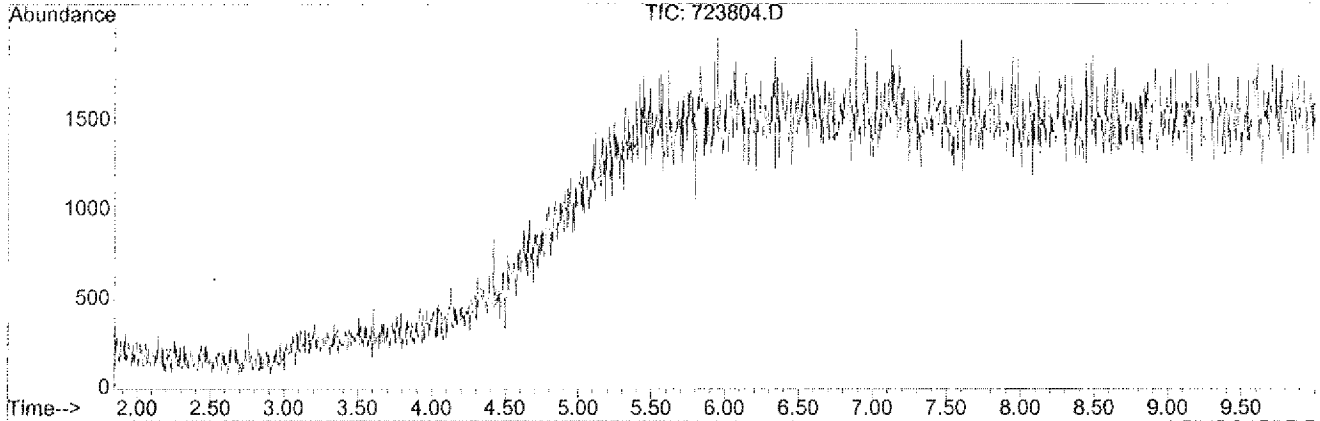
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Operator : ASD  
Date Acquired : 10 Jun 2010 7:54  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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✓ ASD  
2-16-11



Ret. Time	Area	Area %	Ratio %
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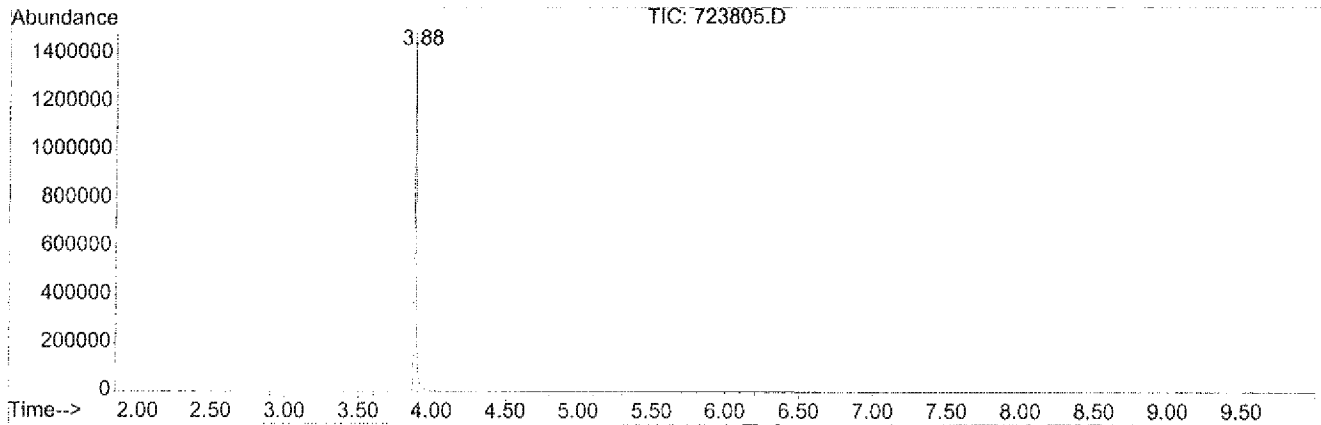
\*\*\*NO INTEGRATED PEAKS\*\*\*



# Area Percent / Library Search Report

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File Name : F:\Q2-2010\SYSTEM4\06\_10\_10\723805.D  
 Operator : ASD  
 Date Acquired : 10 Jun 2010 8:07  
 Sample Name : COCAINE STD  
 Submitted by :  
 Vial Number : 5  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.882	1319318	100.00	100.00

# Area Percent / Library Search Report

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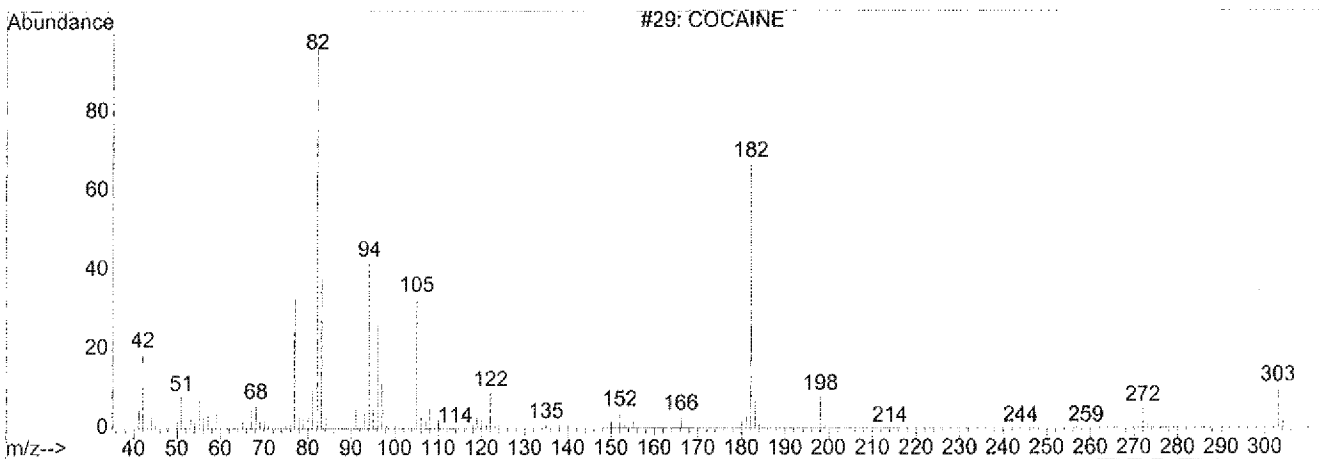
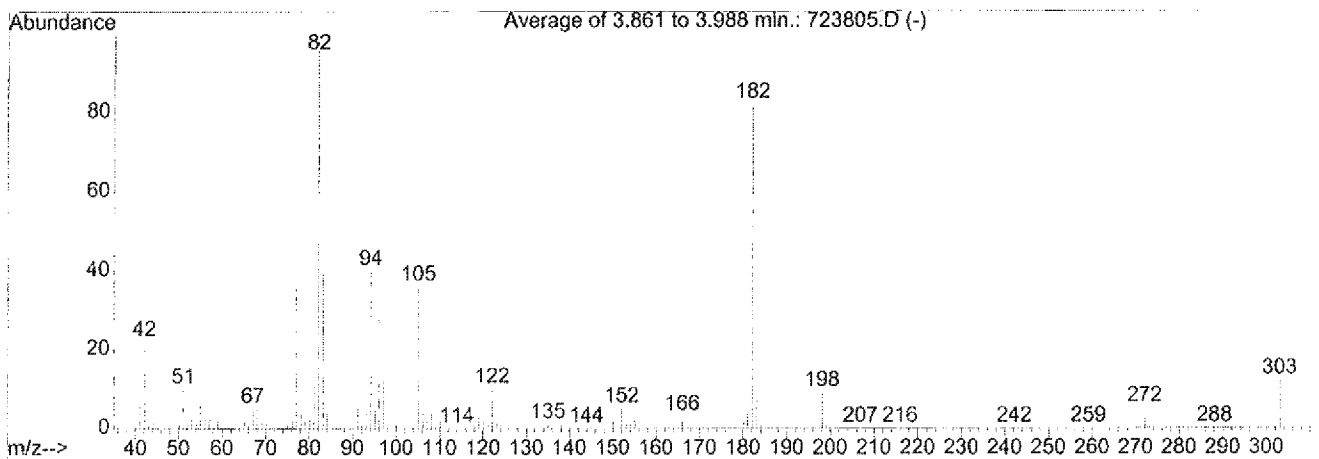
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File Name       : F:\Q2-2010\SYSTEM4\06_10_10\723805.D
Operator        : ASD
Date Acquired   : 10 Jun 2010   8:07
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 5
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
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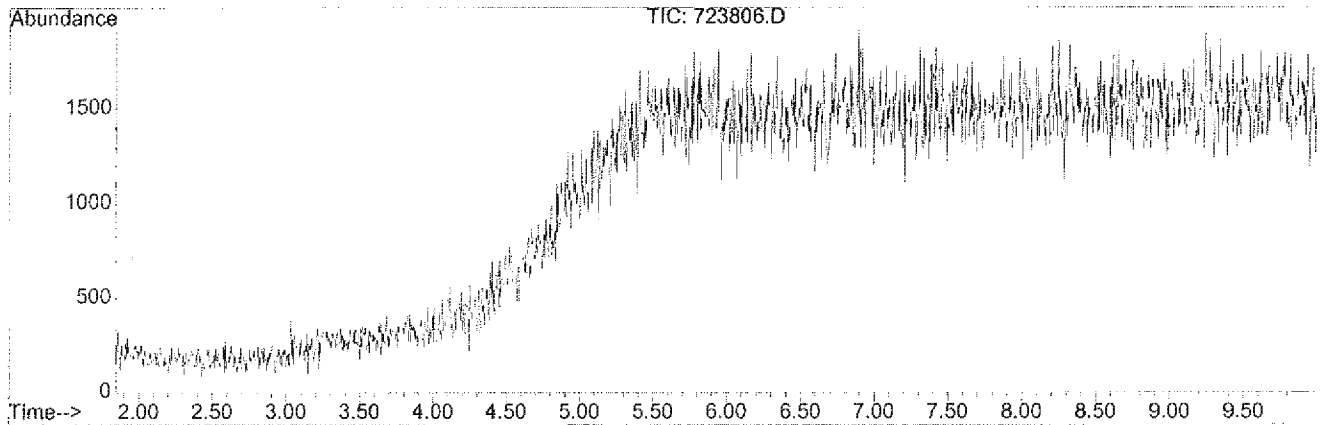
# Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 10 Jun 2010 8:21  
Sample Name : BLANK  
Submitted by : LAG  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

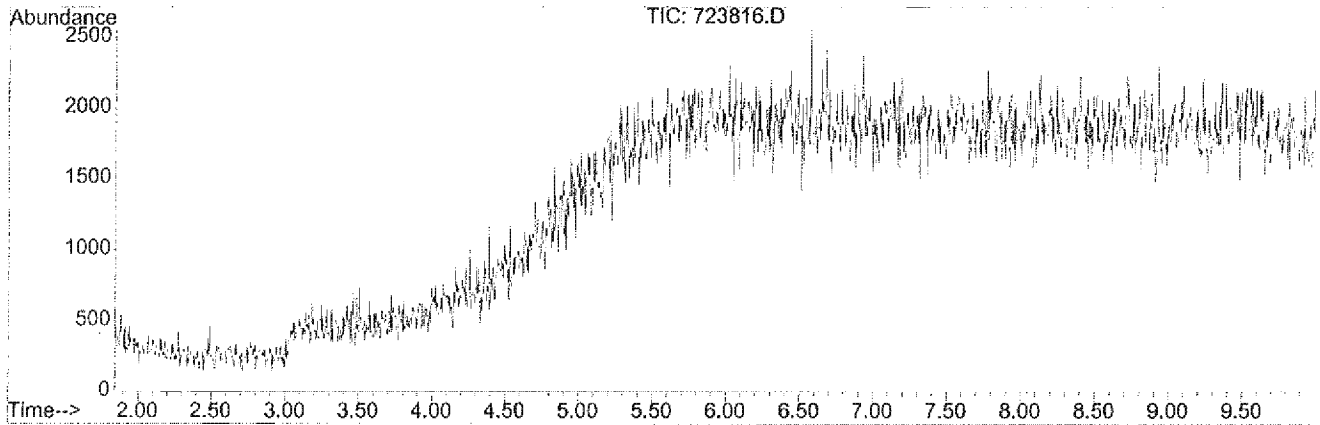
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\06\_10\_10\723816.D  
Operator : ASD  
Date Acquired : 10 Jun 2010 10:37  
Sample Name : BLANK  
Submitted by : LAG  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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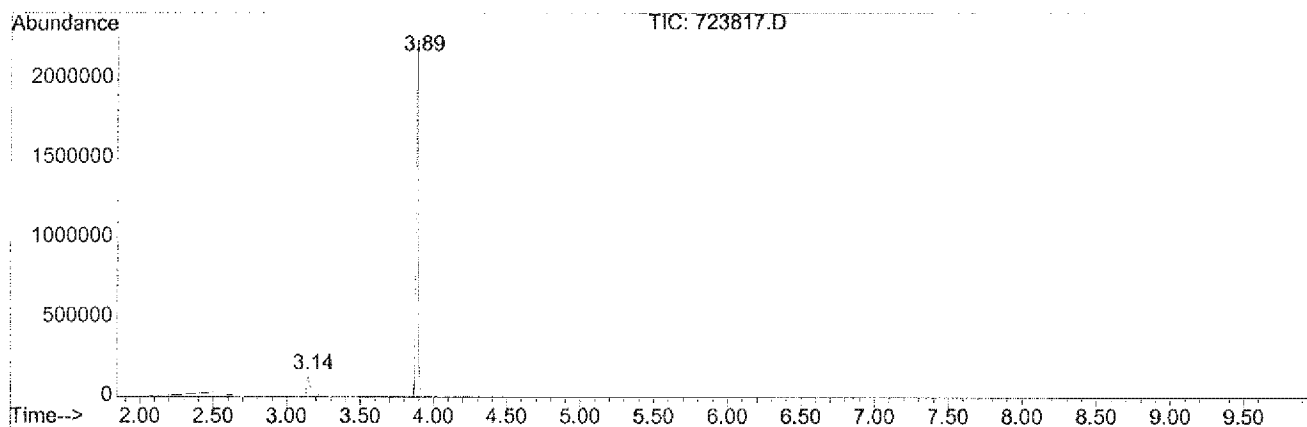
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\06\_10\_10\723817.D  
 Operator : ASD  
 Date Acquired : 10 Jun 2010 10:50  
 Sample Name : XXXXXXXXXX  
 Submitted by : LAG  
 Vial Number : 17  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.140	292585	11.80	13.38
3.886	2186634	88.20	100.00

# Area Percent / Library Search Report

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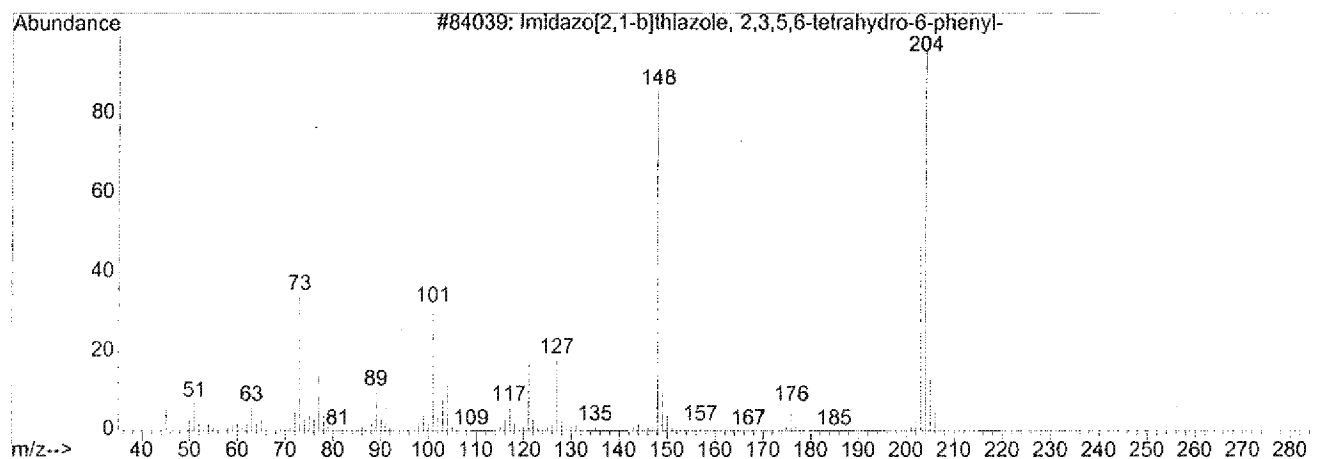
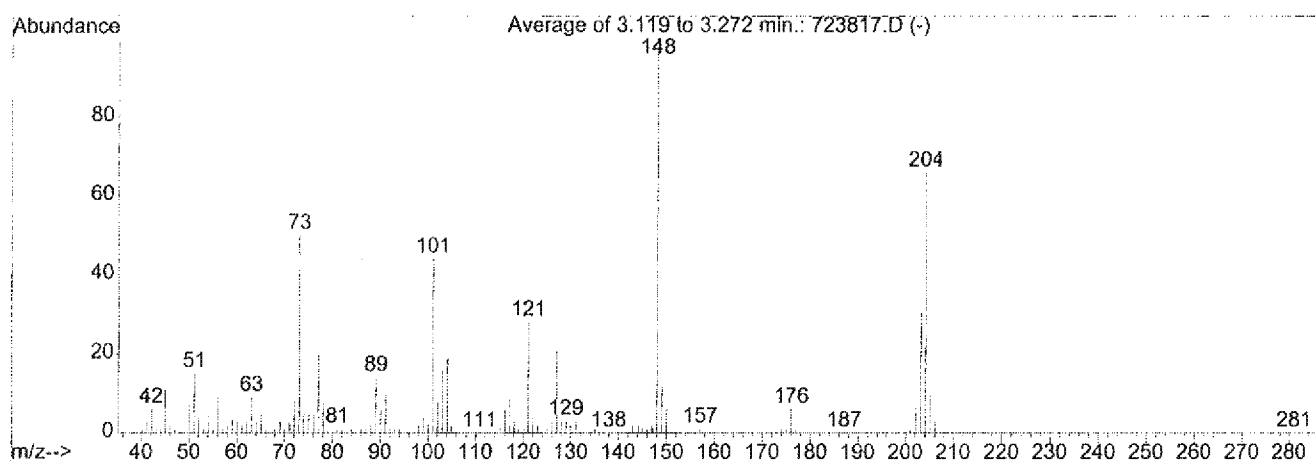
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File Name       : F:\Q2-2010\SYSTEM4\06_10_10\723817.D
Operator        : ASD
Date Acquired   : 10 Jun 2010   10:50
Sample Name     : 
Submitted by    : LAG
Vial Number     : 17
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	3.14	C:\DATABASE\NIST98.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	97



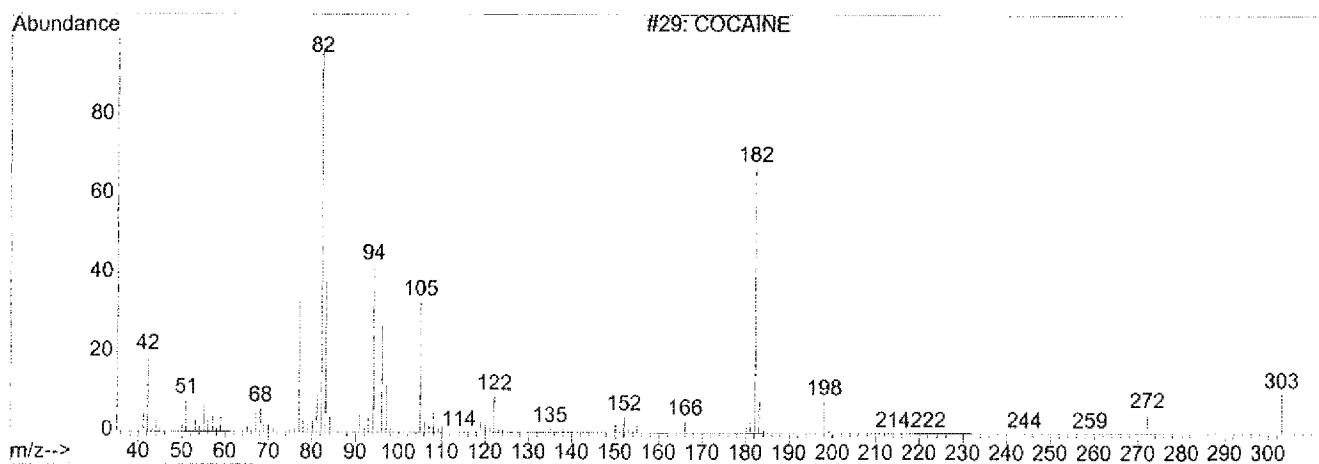
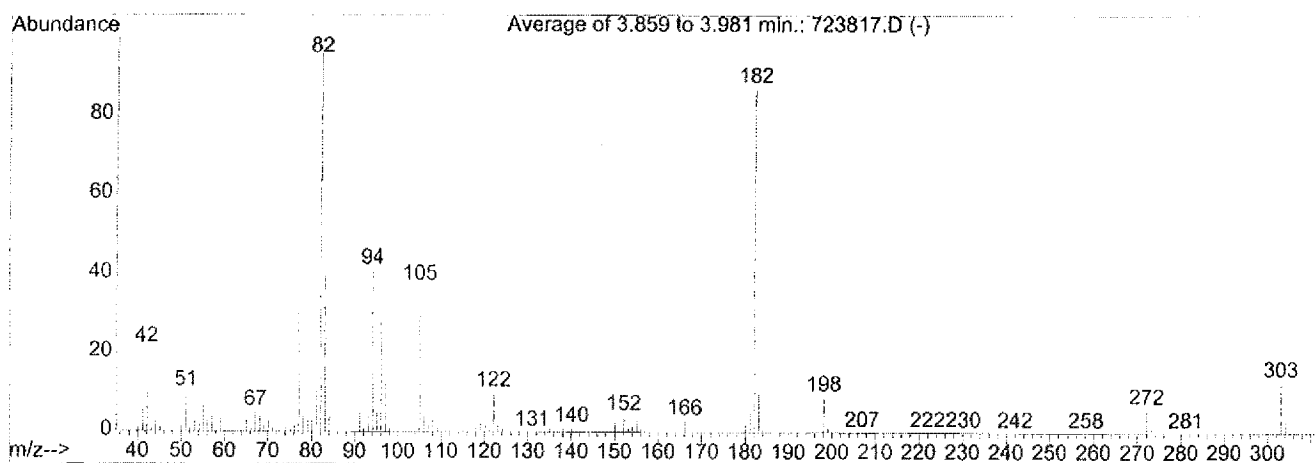
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**Information from Data File:**

File Name : F:\Q2-2010\SYSTEM4\06\_10\_10\723817.D  
 Operator : ASD  
 Date Acquired : 10 Jun 2010 10:50  
 Sample Name : XXXXXXXXXX  
 Submitted by : LAG  
 Vial Number : 17  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
 C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L

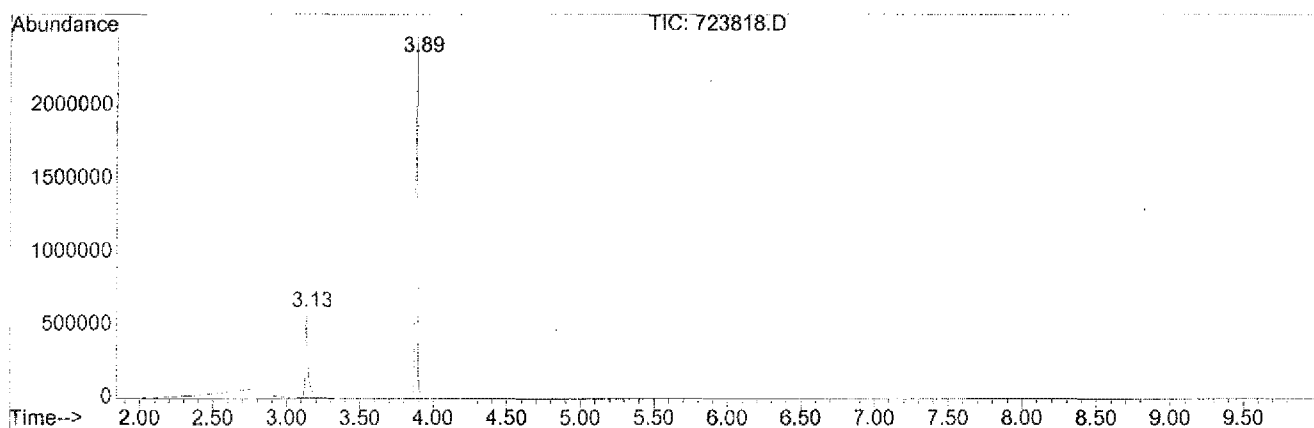
PK#	RT	Library/ID	CAS#	Qual
2	3.89	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\06\_10\_10\723818.D  
 Operator : ASD  
 Date Acquired : 10 Jun 2010 11:04  
 Sample Name : XXXXXXXXXX  
 Submitted by : LAG  
 Vial Number : 18  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.134	826117	25.28	33.83
3.885	2441898	74.72	100.00



# Area Percent / Library Search Report

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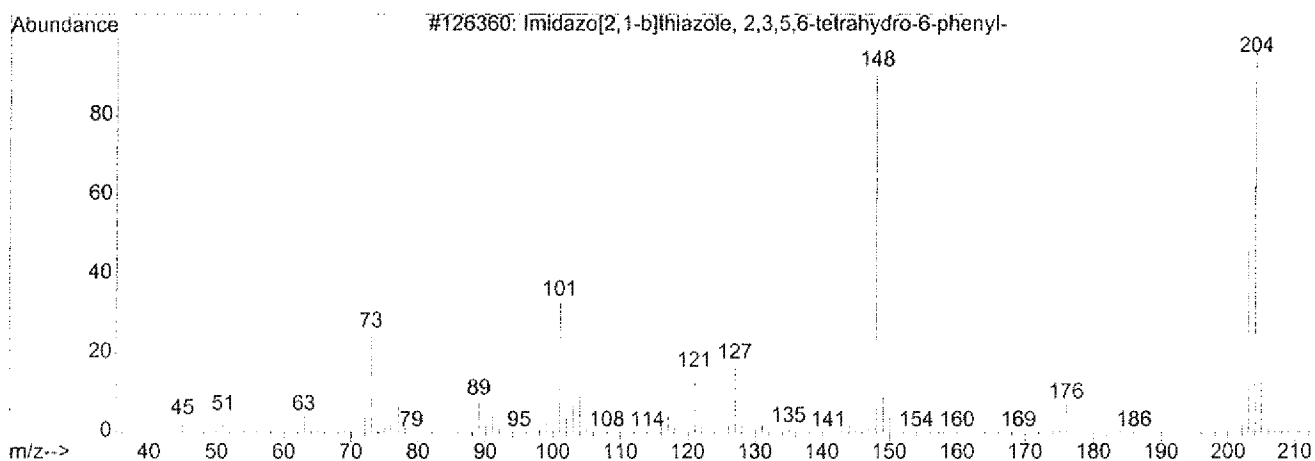
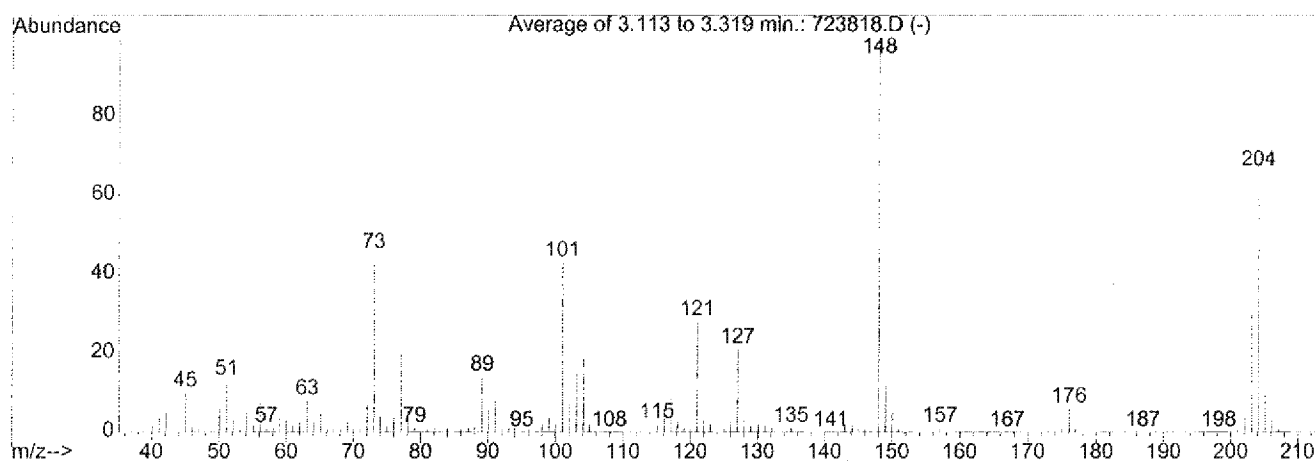
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File Name       : F:\Q2-2010\SYSTEM4\06_10_10\723818.D
Operator        : ASD
Date Acquired   : 10 Jun 2010  11:04
Sample Name     : 
Submitted by    : LAG
Vial Number     : 18
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	3.13	C:\DATABASE\NIST98.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	97



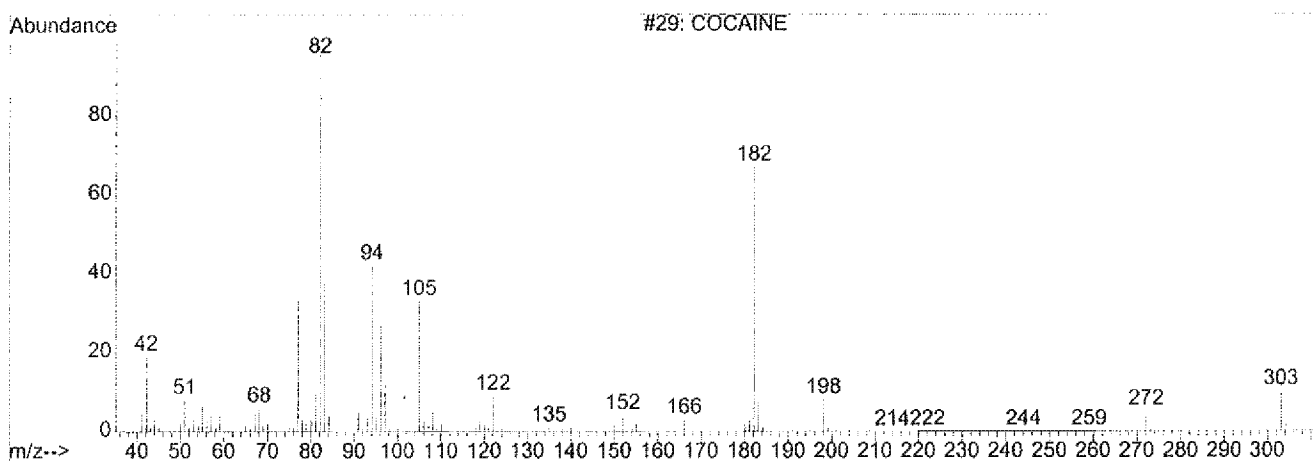
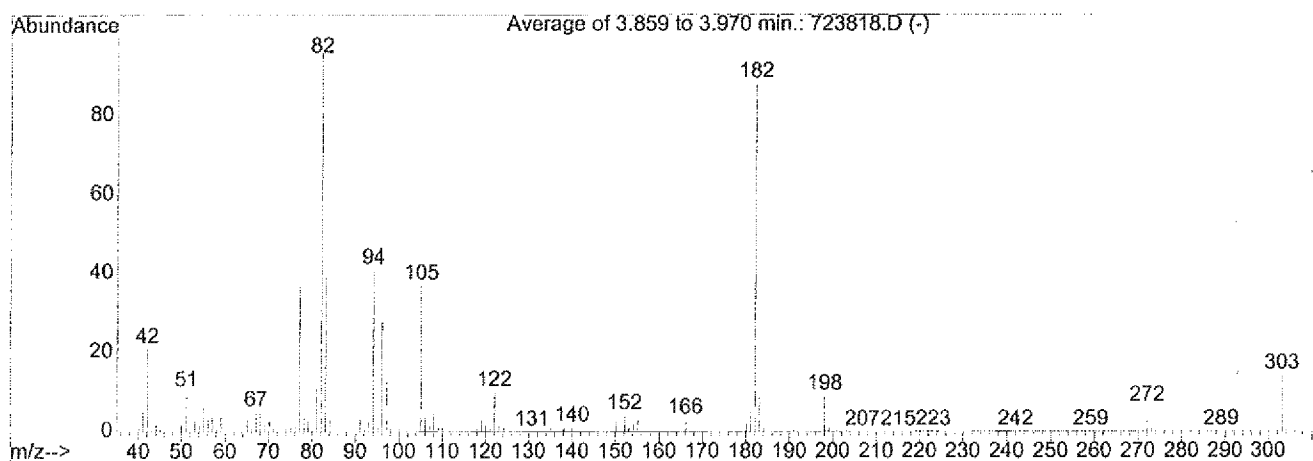
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q2-2010\SYSTEM4\06\_10\_10\723818.D  
 Operator : ASD  
 Date Acquired : 10 Jun 2010 11:04  
 Sample Name : XXXXXXXXXX  
 Submitted by : LAG  
 Vial Number : 18  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
 C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	3.89	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



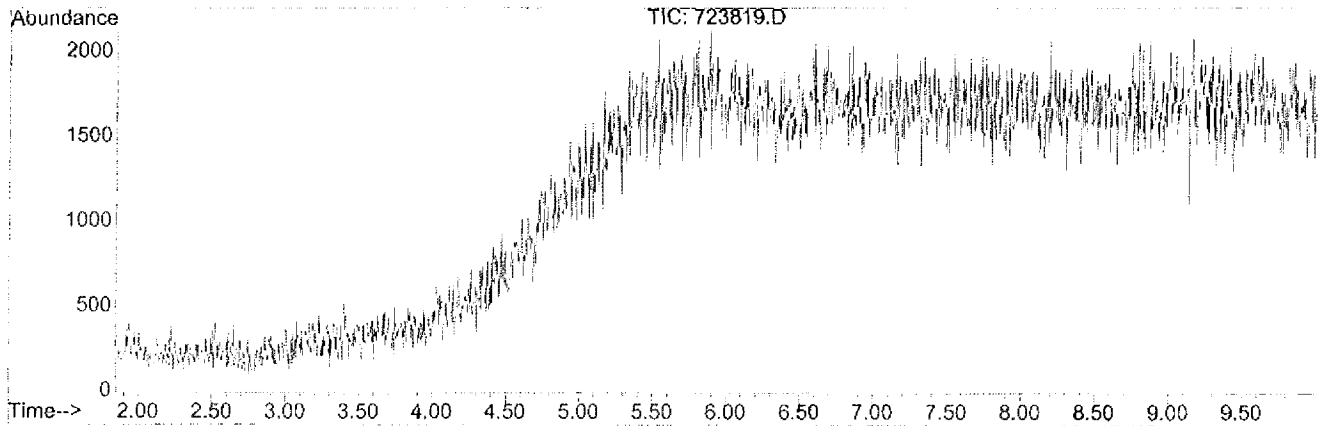
# Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 10 Jun 2010 11:17  
Sample Name : BLANK  
Submitted by : LAG  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

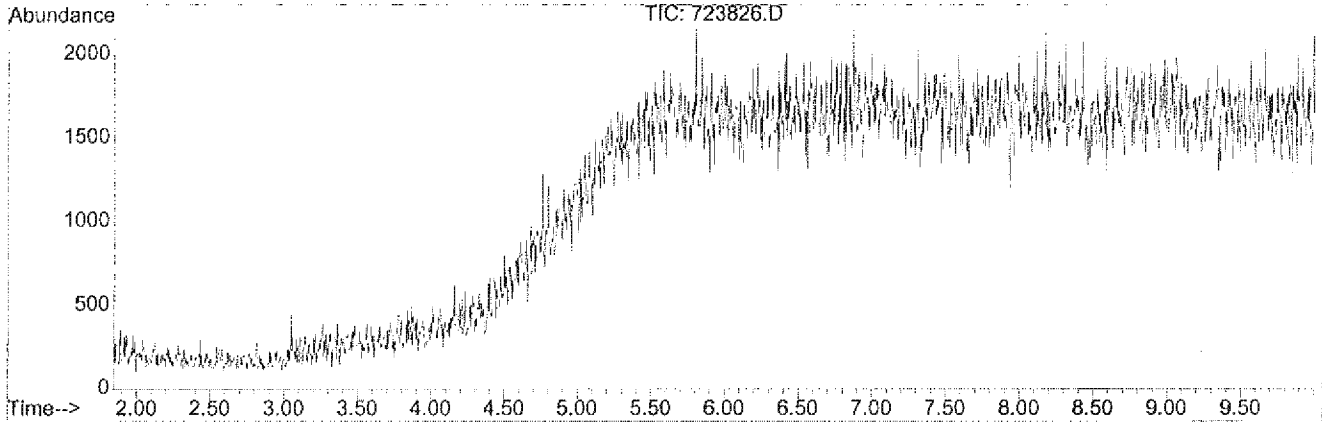
# Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 10 Jun 2010 12:50  
Sample Name : BLANK  
Submitted by : LAG  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

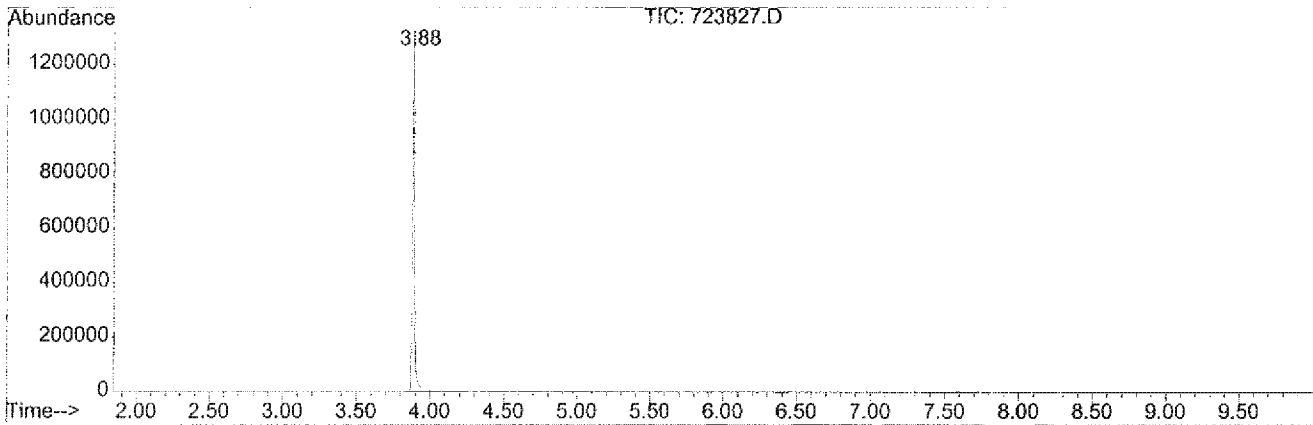
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\06\_10\_10\723827.D  
Operator : ASD  
Date Acquired : 10 Jun 2010 13:04  
Sample Name : COCAINE STD  
Submitted by : LAG  
Vial Number : 27  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.885	1310684	100.00	100.00

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# Area Percent / Library Search Report

**Information from Data File:**

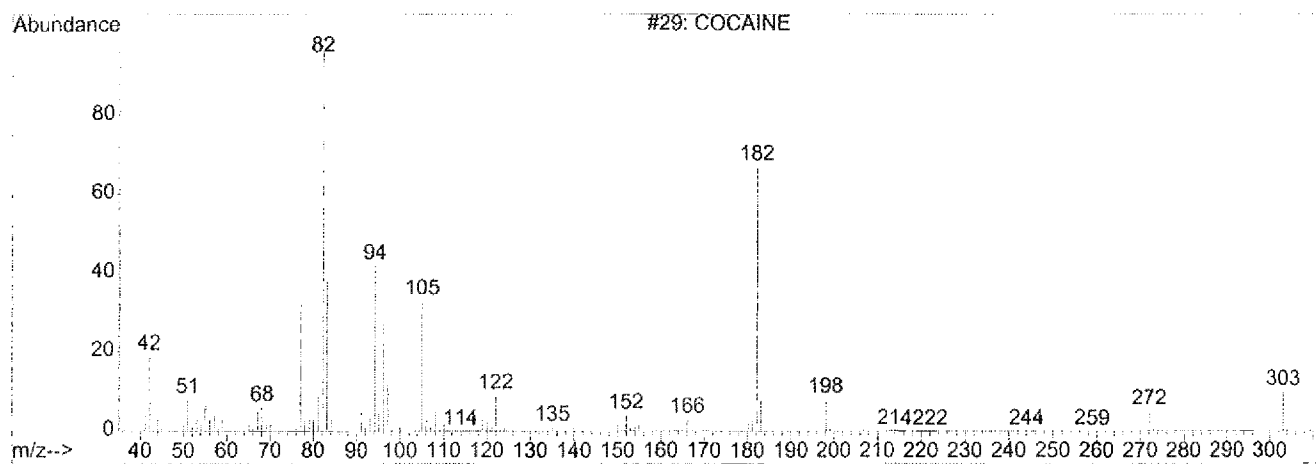
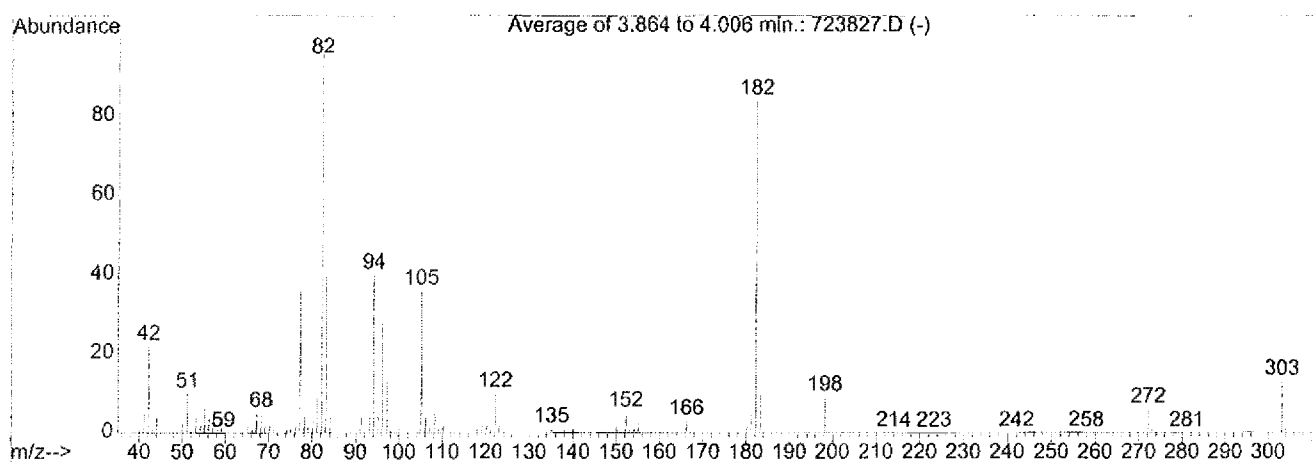
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File Name       : F:\Q2-2010\SYSTEM4\06_10_10\723827.D
Operator        : ASD
Date Acquired   : 10 Jun 2010  13:04
Sample Name     : COCAINE STD
Submitted by    : LAG
Vial Number     : 27
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries:  C:\DATABASE\SLI.L           Minimum Quality: 90
                   C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                   C:\DATABASE\NIST98.L
  
```

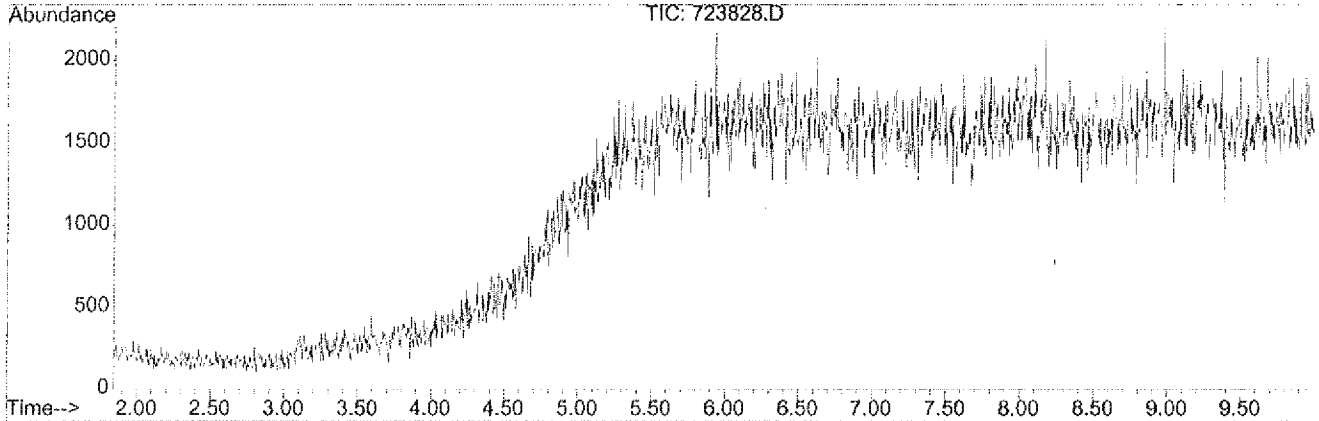
PK#	RT	Library/ID	CAS#	Qual
1	3.88	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\06\_10\_10\723828.D  
Operator : ASD  
Date Acquired : 10 Jun 2010 13:17  
Sample Name : BLANK  
Submitted by : LAG  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*